



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

MEMORANDUM TO: Project Engineers
Project Design Engineers

FROM: G. R. Perfetti, P. E.
State Bridge Design Engineer

DATE: November 30, 2010

SUBJECT: PRESTRESSED CONCRETE PILE STANDARD DRAWINGS

At the request of the Geotechnical Unit, the Prestressed Concrete Pile (PCP) standard drawings have been revised. The concrete strength increased from 5,000 psi to 7,500 psi, and the option of ½" or 0.6" diameter low relaxation strands has been added. The higher concrete strength allows for higher pile driving stresses and increases the pile capacity. The optional strand size allows producers flexibility during fabrication.

In addition, at the request of the Construction Unit, an optional build-up detail, which utilizes dowels, has been added to the Standard Drawings.

The revised standard drawings are available on both the network drive and the Structure Design web site.

GRP/WMC

cc: T. K. Koch, P. E.
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